BRUHAT BENGALURU MAHANAGARA PALIKE, YELAHANKA DIVISION

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

EMB

"FIRST & FINAL BILL"

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 26-11-21 to 30-11-21

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305						
		Cum					
	LBS Park						
	Last Portion Park 1 For Gym Equipments	1.00	15.00	13.00	0.45	87.75	
	Front Portion	1.00	64.00	5.00	0.45	144.00	
	Park 2	1.00	26.00	16.00	0.40	166.40	
					Present Qty	398.15	Cum

A.E.E

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Executive Engineer
(BBMP West Zn)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 2-12-22 To 10-12-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)						
		Cum					
	Park						
	Pathway All round LBS						
	Park 2	1.00	65.00	1.60	0.25	26.00	
	For Street Light Pole Foundation	22.00	0.75	0.75	1.00	12.38	
	Cable	1.00	389.00	0.45	0.30	52.52	
	GAZEBO						
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	16.00		0.60	9.60	
	Gazibo 2 Size Dia 9 (π r2)2	1.00	38.50		0.60	23.10	
	Platform For Benches	33.00	2.50	1.50	0.30	37.13	
	For Rain-water Harvestig Pits						
	Pits	4.00	1.77		4.00	28.26	
	For PIT Connecting Drain	4.00	2.65	0.45	0.45	2.15	
	For Gym equipment Lalbahadur Shastry Park						
		9.00	1.00	1.00	0.75	6.75	
		1.00	1.00	1.80	0.75	1.35	
		1.00	3.05	1.25	0.75	2.86	

C&FC
Bhyrappa
A.E.E

SHIVA CONSTRUCTION AND CONSULTANCY

	For Gym equipment In front of Velpula Pride Apartment Park						
		8.00	1.00	1.00	0.75	6.00	
		1.00	1.00	1.80	0.75	1.35	
		1.00	3.05	1.25	0.75	2.86	
	Children Play area	1.00	12.60	15.30	0.30	57.83	
		1.00	12.60	2.70	0.30	10.21	
	Children Play Equipment Posts GKVK Park	25.00	0.60	0.60	0.95	8.55	
	Hanuman Temple Park, Pathway	1.00	10.50	2.50	0.25	6.56	
		1.00	10.50	2.50	0.25	6.56	
		1.00	13.70	2.50	0.25	8.56	
					Present Qty	310.57	Cum

C&FC A.E.E

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(Executive Engineer)
Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 16-12-21

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.						
		Cum					
	Park						
	Cable CIFC	1.00	389.00	0.30	0.45	52.52	
	A.E.E				Present Qty	52.52	Cum

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
Asst. Executive Engineer

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 22-12-21 to 11-2-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 (P.No.222, I.No.27.18 of PW,P&IWTD S.R 2018-19)						
		Cum					
	Park						
	Gazebo , SSM						
	Lalbahadur Sastry Park	1.00	15.40	0.45	0.15	1.04	
	Hanuman temple Park	1.00	37.90	0.45	0.15	2.56	
	Park 2 Kerb PCC						
	Northern Side LHS	1.00	22.60	0.20	0.10	0.45	
	Northern Side RHS	1.00	16.90	0.20	0.10	0.34	
	Eastern Side LHS	1.00	11.70	0.20	0.10	0.23	
	Eastern Side RHS	1.00	14.60	0.20	0.10	0.29	
	Southern Side LHS	1.00	17.65	0.20	0.10	0.35	
	Southern Side RHS	1.00	21.20	0.20	0.10	0.42	
	Western Side LHS	1.00	18.65	0.20	0.10	0.37	
	Western Side RHS	1.00	11.85	0.20	0.10	0.24	
	GKVK Layout Kerb Childrens Play Equipment						
	Northern Side	1.00	2.70	0.20	0.10	0.05	
	Western Side	1.00	27.90	0.20	0.10	0.56	
	Eastern Portion 1	1.00	12.15	0.20	0.10	0.24	
	Eastern Portion 2 (Skew Part)	1.00	5.40	0.20	0.10	0.11	
	Eastern Portion3	1.00	15.30	0.20	0.10	0.31	
	Southern Side	1.00	12.60	0.20	0.10	0.25	

A.E.E
11/02

SHRIYA CONSULTANCY

	Platform for Benches	33.00	2.55	1.55	0.10	13.04	
	Children Paly Equipment Posts , GKVK Park	25.00	0.60	0.60	0.15	1.35	
					Present Qty	67.60	Cum

Contractor PMC Assistant Engineer Asst. Executive Engineer Yelahanka Sub Divison (BBMP YPK Zone) Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 22-12-21 To 20-2-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, Item No. - 5.12 of PW;P&IWTD S.R 2016-17)						
		Cum					
	Park						
	Gazebo ParK LBS						
	First Step	2.00	14.25	0.60	0.60	10.26	
	Second Step	2.00	14.25	0.45	0.45	5.77	
	Gazebo Park GKVK						
	First Step	2.00	28.75	0.60	0.60	20.70	
	Second Step	2.00	28.75	0.45	0.45	11.64	
	C&FG by Cty						
	Gym equipment All round SSM, LBS Park						
		1.00	16.40	0.40	0.40	2.62	
		1.00	11.00	0.40	0.40	1.76	
		1.00	13.00	0.40	0.40	2.08	
		1.00	6.20	0.40	0.40	0.99	
		1.00	9.15	0.40	0.40	1.46	
					Present Qty	57.30	Cum

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
Asst. Executive Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 6-1-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.(P.No.227, I.No.28.7.9 of PW, P&IWTD SR 2018-19)						
		Cum					
	Plinth and Flooring for Gazebo ParK LBS						
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	16.00		0.15	2.40	
	Gazibo 2 Size Dia 9 (π r2)2	1.00	38.50		0.15	5.78	
	For Street Light Pole Foundation	6.01					
		22.00	0.75	0.75	0.60	7.43	
					Present Qty	15.60	Cum

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP, Ward No. 21)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 21-1-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17)						
		Cum					
	Park						
	Gym equipment area Lalbahadur Shastry Park						
		9.00	1.00	1.00	0.60	5.40	
		1.00	1.00	1.80	0.60	1.08	
		1.00	3.05	1.25	0.60	2.29	
	Gym equipment area In front of Velpula Pride Apartment Park						
		8.00	1.00	1.00	0.60	4.80	
		1.00	1.00	1.80	0.60	1.08	
		1.00	3.05	1.25	0.60	2.29	
	Children Paly Equipment, GKVK Park	25.00	0.60	0.60	0.75	6.75	
					Present Qty	23.69	Cum

Contractor

SHRIYA CONSTRUCTION AND CONSULTANCY JMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ward 21)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 30-12-21 to 20-1-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)						
		Cum					
	Park						
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	15.40		0.60	9.24	
	Gazibo 2 Size Dia 9 (π r2)2	1.00	37.90		0.45	17.06	
	Platform for Benches	33.00	2.00	1.00	0.30	19.80	
	Park 2 For Walkway	1.00	64.00	1.55	0.45	44.64	
					Present Qty	90.74	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
(Engineer)

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 17-1-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
10	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No: 20.18, of KPWD SR Bangalore Circle 2018-19)						
		Cum					
	Park						
	Park 2 Walkway	1.00	64.00	1.55	0.15	14.88	
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	15.40		0.20	3.08	
	Gazibo 2 Size Dia 9 (π r2)2	1.00	37.90		0.20	7.58	
	Hanuman Temple Park,	1.00	10.50	2.50	0.15	3.94	
		1.00	10.50	2.50	0.15	3.94	
		1.00	13.70	2.50	0.15	5.14	
	In Fron of Park, Entrance	1.00	5.00	2.50	0.15	1.88	
	Beside Temple Area, Entrance	1.00	7.50	1.50	0.13	1.69	
	Tree Cut portion	1.00	2.00	2.00	0.15	0.60	
	Flooring Gym equipment area LBS Park	1.00	14.80	10.00	0.20	29.60	
	Flooring Gym Equipments, Velpula Pride Apartment Park	0.50	26.50	8.50	0.20	22.53	
					Present Qty	94.84	Cum

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Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Division
Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On: 20-1-22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
18	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm. dia(P.No.254, I.No.34.6.1 of PW,P&IWTD S.R 2018-19)						
		MTR					
	Park						
	Pipe Connecting Drain	4.00	2.65			10.60	
					Present Qty	**10.60**	**Mtr**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Executive Division
(Engineer Dist. Zn)
Yelahanka, Bengaluru

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements							
Measurement Recorded On: 20-1-22.							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
19	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 1200mm dia						
		MTR					
	Park						
	Pipe Connecting Drain	4.00	4.00			16.00	
					Present Qty	16.00	**Mtr**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP)
Yelahanka, Bengalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements							
Measurement Recorded On: 21-2-22.							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
20	Filter media stone aggregate 60mm &down size						
		Cum					
	Park						
	Filter media stone aggregate 60mm &down size						
	3.14*(1.2*1.2)/4 = 1.13	4	1.13		1.20	5.42	
					Present Qty	5.42	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Division
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements							
Measurement Recorded On: 21-2-22.							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
21	Crushed stone aggregate 13.2mm to 10mm						
		Cum					
	Park						
	Filter media stone aggregate						
	3.14*(1.2*1.2)/4 = 1.13	1	1.13		1.20	5.42	
					Present Qty	**5.42**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
(B Engineer Zn)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements							
Measurement Recorded On:		16-12-22-					
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
26	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 16 sqmm						
		Mtr					
	Park						
	Cable	1	389.00			389.00	
	From Entrance to End Park 1& 2, With Looping						
					Present Qty	389.00	Mtr

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer 16/12

1st & Final Bill

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Work Order No.: BBMP/EE Ynk D/EPMT-08/WO/007/2021-22, Dated 17.04.2021

Job code: 001-21-000016

Est. cost: 150.00 lakhs

Name Of contractor: Sri Dhamodhara Raju

Measurements

Item No	Discription of Item	Unit	Qty	Rate	Amount
1	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications (Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305				
	Pre Measurements recorded in Vide page no (1)	Cum	Present Qty 398.15	361.38	143883.45
2	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1 5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m including breaking of clods complete as per specifications. (Page No 6, I No.2.3)				
	Pre Measurements recorded in Vide page no (2-3)	Cum	Present Qty 310.57	413.75	128497.41
3	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1 5 m including cost of all labour complete as per specifications.				
	Pre Measurements recorded in Vide page no (4)	Cum	Present Qty 52.52	134.54	7065.37
4	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1 3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No 2100 (P No 222, I No.27 18 of PW,P&IWTD S.R 2018-19)				
	Pre Measurements recorded in Vide page no (88-5-7)	CUM	Present Qty 67.60	5687.57	384471.20
5	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1 6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5 1 13 (Page No. 23, Item No. - 5.12 of PW,P&IWTD S.R 2016-17)				
	Pre Measurements recorded in Vide page no (8)	CUM	Present Qty 57.30	5836.57	334406.28
6	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height (P No 227, I No.28 7 9 of PW, P&IWTD SR 2018-19)				
	Pre Measurements recorded in Vide page no (9)	CUM	Present Qty 15.60	5752.07	89732.29
7	KSRB 4-1.6 , Providing and laying in position plain cement concrete of mix 1 2 4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P No.12, I No. 4 6 of PW, P&IWTD SR2016-17)				

SIDDHA CONSTRUCTION CONSULTANCY

	Pre Measurements recorded in Vide page no			Cum				Present Qty			23.69	6164.22	145999.55
9	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No 407 (P No155 of I No.20.20 in PW,P&IWTD SR 2018-19)												
	Pre Measurements recorded in Vide page no			Cum				Present Qty			90.74	232.40	21086.81
10	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No 155 Item No 20 18, of KPWD SR Bangalore Circle 2018-19)												
	Pre Measurements recorded in Vide page no			CUM				Present Qty			94.84	2099.34	199101.41
18	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1 2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm dia(P No 254, I No.34 6 1 of PW,P&IWTD S.R 2018-19)												
	Pre Measurements recorded in Vide page no			Mtr				Present Qty			10.60	1705.72	18080.63
19	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1 2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No 1000 / 2300 - - 1200mm dia												
	Pre Measurements recorded in Vide page no			Mtr				Present Qty			16.00	6269.12	100305.92
20	Filter media stone aggregate 60mm &down size												
	Pre Measurements recorded in Vide page no			Cum				Present Qty			5.42	1406.77	7630.32
21	Crushed stone aggregate 13.2mm to 10mm												
	Pre Measurements recorded in Vide page no			Cum				Present Qty			5.42	1456.33	7899.13
22	Sand/ Artificial Sand/ Manufactured Sand												
	Pre Measurements recorded in Vide page no			Cum				Present Qty			2.26	2123.49	4799.09
26	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments. 16 sqmm												
	Pre Measurements recorded in Vide page no			M				Present Qty			389.00	209.04	81316.56

Contractor PMC Assistant Engineer Asst Executive Engineer,

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P No 112, I No.14.61.2 of PW,P&IWTD S.R 2018-19)								
		Sqm							
	Benches	33.00	2.55	1.55		130.43			
	Bench Sides 1	44.00	1.55	0.20		13.64			
	Bench Sides 2	22.00	2.55	0.20		11.22			
	Gazibo 1 Dia 4.55 (n r2)	1.00	16.00			16.00			
	Gazibo 2 Size Dia 9 (n r2)	1.00	38.50			38.50			
					Present Qty	209.79	SQM	2200.53	461654.69

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Division
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2018-19)								
		Sqm							
	Flooring Gym equipment area LBS Park	1.00	14.80	10.00		148.00			
	Flooring Gym Equipments, Velpula Pride Apartment Park	0.50	26.50	8.50		112.63			
					Present Qty	260.63	SQM	1369.91	357032.79

C2F
A.E.E 12/3

Contractor

PMC TANCON CONSTRUCTION & SYSTEMS

Assistant Engineer

Asst. Executive Engineer
Yelahanka Engineering Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
12	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I No.14.6 in PW,P&IWTD SR 2018-19)								
		Sqm							
	Park 2	1.00	68.00	1.55		105.40			
	Hanuman Temple Park,	1.00	10.50	2.50		26.25			
		1.00	10.50	2.50		26.25			
	Cafe	1.00	13.70	2.50		34.25			
					Present Qty	192.15	SQM	1170.87	224982.67

A.E.E 18/3

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(SP Engineer., Zn)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)								
		Nos							
	Park 2 Kerb								
	Northern Side LHS	1.00	22.60			22.60			
	Northern Side RHS	1.00	16.90			16.90			
	Eastern Side LHS	1.00	11.70			11.70			
	Eastern Side RHS	1.00	14.60			14.60			
	Southern Side LHS	1.00	17.65			17.65			
	Southern Side RHS	1.00	21.20			21.20			
	Western Side LHS	1.00	18.65			18.65			
	Western Side RHS	1.00	11.85			11.85			
	GKVK Layout Kerb Childrens Play Equipment								
	Northern Side	1.00	2.70			2.70			
	Western Side	1.00	27.90			27.90			
	Eastern Portion 1	1.00	12.15			12.15			
	Eastern Portion 2 (Skew Part)	1.00	5.40			5.40			
	Eastern Portion3	1.00	15.30			15.30			
	Southern Side	1.00	12.60			12.60			
	GKVK Park Near Platform								
	Western Side 1	1.00	10.50			10.50			
	Western Side 2	1.00	10.50			10.50			
	Northern Side 1	1.00	9.00			9.00			
	Northern Side 2	1.00	10.50			10.50			
	Esaster n Side 1	1.00	12.90			12.90			
	Esaster n Side 2	1.00	14.50			14.50			
				In Mts		279.10			
					Present Qty	621.00	Nos	453.67	281729.07

A.E.E

Contractor

VMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Zone)
(BU) Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
		Sqm							
	Park 2 Kerb								
	Northern Side LHS	1.00	22.60		0.35	7.91			
	Northern Side RHS	1.00	16.90		0.35	5.92			
	Eastern Side LHS	1.00	11.70		0.35	4.10			
	Eastern Side RHS	1.00	14.60		0.35	5.11			
	Southern Side LHS	1.00	17.63		0.35	6.18			
	Southern Side RHS	1.00	21.20		0.35	7.42			
	Western Side LHS	1.00	18.66		0.35	6.53			
	Western Side RHS	1.00	11.85		0.35	4.15			
	GKVK Layout Kerb Childrens Play Equipment								
	Northern Side	1.00	2.70		0.35	0.95			
	Western Side	1.00	27.90		0.35	9.77			
	Eastern Portion 1	1.00	12.18		0.35	4.25			
	Eastern Portion 2 (Slope Part)	1.00	5.40		0.35	1.89			
	Eastern Portion3	1.00	15.30		0.35	5.36			
	Southern Side	1.00	12.60		0.35	4.41			
	GKVK Park Near Platform								
	Western Side 1	1.00	10.50		0.35	3.68			
	Western Side 2	1.00	10.50		0.35	3.68			
	Northern Side 1	1.00	9.00		0.35	3.15			
	Northern Side 2	1.00	10.50		0.35	3.68			
	Esaster n Side 1	1.00	12.90		0.35	4.52			
	Esaster n Side 2	1.00	14.50		0.35	5.08			
					Present Qty	97.69	SQM	88.96	8690.06

A.E.E 18/3

Contractor

PMC

SHAKA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Asst. Executive Engineer
Yelahanka Division
(GBA)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
15	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification. (Page No. 43 Item No. 7.30 of CSR 2018-19)								
		Kgs							
	Purlins								
	30mmX50mmX3mm	30.00	8.50	--	--	255.00			
	at 3.6 kg/m		3.60			918.00			
	4 No 150mm dia Hollow Circular Pipes	4.00	3.00	--	--	12.00			
	at 18.9 kg/m		18.90			226.80			
	Main members								
	65mmX100mmX6mm	15.00	2.50	--	--	37.50			
	at 15 kg/m		15.00			562.50			
	65mmX100mmX6mm	1.00	7.50	--	--	7.50			
	at 15 kg/m		15.00			112.50			
	Purlins								
	30mmX50mmX3mm	15.00	4.50	--	--	67.50			
	at 3.6 kg/m		3.60			243.00			
					Present Qty	2442.30	Kgs	142.33	347612.56

A.E.E

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Division
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
17	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complate as per specifications (P 120/ 1.15 74 PW,P & IWTD SR - 2018-19)								
		Sqm							
	Gazibo Circular posts	4.00	2.50	0.52		5.20			
	Purlins and Main Members								
	65mmX100mmX6mm	1.00	12.00	0.33	2.00	7.92			
	65mmX100mmX6mm	1.00	1.00	0.33	7.50	2.48			
	30mmX50mmX3mm	1.00	12.00	0.16	4.50	8.64			
					Present Qty	24.24	SQM	105.63	2559.94

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Division
(BBMP)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
24	Executive bench made out of sadaralli grey stone with hand suport 3 line finishing with arch desiagn with 100cm slabs height 90% length 45cms (data approved rate)								
		Nos							
	Park 1	5.00				5.00			
	Park 1 - Gazibo	4.00				4.00			
	Park 2	14.00				14.00			
	GKVK Park	15.00				20.00			
					Present Qty	43.00	Nos	19091.80	820947.40

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
25	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Streetlight 90 Watts (Page No.67 I No 12.8.4 of Electrical S.R 2019-20)								
	LBS Park 1 and 2	Nos				22.00			
						Present Qty	22.00	Nos	7961.49	175152.78

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka, Bangalore

Asst. Executive Engineer

PMC

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
28	Supply & fixing of Arm & Pedal Bike . All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings . Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery . 1 completely pre-assembled equipment modules. Maintenance . Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 830 MM x 500MM x 1450 MM. Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	222912.50	445825.00

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
29	Supply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped Joints are Robotic Welded All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement. which can cause injuries. The limitors must be in accordance with EN16630 safety norms Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide Size (L*W * H) 845 MM x 865 MM x 1710 MM Capacity 1 person Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	183575.00	367150.00

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka
(BBMP Yla. Zn.)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
30	Supply & fixing of Pull Down Challenger All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings: Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	310504.00	621008.00

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
31	Supply & fixing of Seated Chest Press. All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings. Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery. 1 completely pre-assembled equipment modules. Maintenance. Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	301587.50	603175.00

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
32	Supply & fixing of Self Weighted Rower : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1390 MM x 805 MM x 1198 MM. Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	216356.25	432712.50

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
33	Supply & fixing of HD Double Health Walker : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2015 MM x 615 MM x 1360 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	310504.00	621008.00

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka
(BBMP Yelahanka Zone)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
34	Supply & fixing of HD Waist Twister :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1460 MM x 1310 MM x 1150 MM. Capacity 3 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	170462.50	340925.00

24/4/2024

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
35	Fixing and installation of a three person body twister station Size -131 X 100 X 133CM, that consists of three swivel stands that rotates but with a built in safety limitor that meets international safety standards as the arms and shoulders of the user are held square in the overhead hold that is fixed to a monolithic large arc tube center pillar without convex sides & minimal deformation ergonomically curved. The Center pillar has an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. Safe Zone : 430 X 400 CM. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	246068.13	492136.26

24/4/2024

Contractor

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Yn 2/2n)
Yelahanka, Bangalore

PMC CONSULTANCY * SRIRAM CONSTRUCTION AND

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
36	Supply & fixing of Tai Chi Spinners : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1150 MM x 1120 MM x 1620 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges. (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
					Present Qty	1.00	Nos	150793.75	150793.75

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Assl. Executive Engineer
(BBMP)
Yelahanka, Bangalore

24/4/2024

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
37	Supply & fixing of HD Sit Up Station : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scallopedrimer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : I completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1365 MM x 1335 MM x 700 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges. (Data approved rate)								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	163906.25	327812.50

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
38	Supply and fixing of childern Multi Play Equipment with curved silde, tunnel and side panels : Upright structural posts of height 2.2m, 2.4m are to be HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing.The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m,Impending stairs of size 0.80m x 0.60m and 1.05 m x 0.68 m are fabricated from 2mm perforated solid punched steel along with a curved Slide of size 1.7m x 1.8m x 1.2m Coupled with the tunnel are made of super thick plasticwhich shelle be animated and rotationally molded from antistatic, copolymer, virgin((LLDPE) which is UV stabilized with color molded in and minimum thickness of 6 -8mm. Unit consist of Deck of size 1.45 x 1.45m and Staircase of size 1.74 m x 1.32 m along with Triple Slide of size 3.95m x 2.93m x 1.80m with stairs, Plastic Components[super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm Roof of size 2.00m x 1.78m, Spiral tube Slide of size 3.2 m x 1.82mx 2.7m along with Monkey loop climber 1.87m x 1.15m x 0.6m which has thickness of 48 mm curved bar supports are all robotic welded fabricated from 32 O.D GI pipes for the outer pipes and 25mm O.D. Also consisting of Deck of size 1.45 x 1.45m Plastic Components shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm.The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	2.00	Nos	257939.66	515879.32

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Velahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
39	Supply and fixing of childern Multi Play Equipment with curved silde, tunnel and side panels : Upright structural posts of height 2.2m, 2.4m are to be HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing.The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m,Impending stairs of size 0.80m x 0.60m and 1.05 m x 0.68 m are fabricated from 2mm perforated solid punched steel along with a curved Slide of size 1.7m x 1.8m x 1.2m Coupled with the tunnel are made of super thick plasticwhich shelle be animated and rotationally molded from antistatic, copolymer, virgin((LLDPE) which is UV stabilized with color molded in and minimum thickness of 6 -8mm Unit consist of Deck of size 1.45 x 1.45m and Staircase of size 1.74 m x 1.32 m along with Triple Slide of size 3.95m x 2.93m x 1.80m with stairs, Plastic Components[super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm Roof of size 2.00m x 1.78m, Spiral tube Slide of size 3.2 m x 1.82mx 2.7m along with Monkey loop climber 1.87m x 1.15m x 0.6m which has thickness of 48 mm curved bar supports are all robotic welded fabricated from 32 O D GI pipes for the outer pipes and 25mm O.D. Also consisting of Deck of size 1.45 x 1.45m Plastic Components shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges								
		Nos							
	In front of Velpula Pride Apartment Park					1.00			
					Present Qty	1.00	Nos	4069578.72	4069578.72

Contractor PMC Assistant Engineer Asst. Executive Engineer Asst. Executive Engineer

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
41	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		Nos							
	In front of Velpula Pride Apartment Park					2.00			
					Present Qty	2.00	Nos	87568.42	175136.84

Contractor PMC Assistant Engineer Asst. Executive Engineer

SHAIVA CONSTRUCTION AND CONSULTANCY

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
EIRL-2	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. (P.No.42 It.No.6.10.2)16Sqmm								
		Nos							
	Street Light Poles					1.00			
					Present Qty	1.00	Nos	270.00	270.00

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka
(BBMP)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
EIRL-4	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps (P.No.25 It No.5.7.2)								
		Nos							
	Street Light Poles					1.00			
					Present Qty	1.00	Nos	174.00	174.00

Contractor

PMC

SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka
(BBMP)
Yelahanka, Bangalore

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
EIRL-7	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm (P.No.31 It.No.5.44.4)								
		Nos							
	Street Light Poles					1.00			
					Present Qty	1.00	Nos	12081.00	12081.00
							Civil Works Amount		4853835.05
							12% GST		582460.21
							Data Rate Items		9296250.60
							Total		14732546.00

Contractor PMC Assistant Engineer Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Division
(BBMP/Y/16/20)
Yelahanka, Bangalore